Straw Sprinkler

Kit contains:

- 1 long skewer
- 1 short skewer
- 3 straw pieces
- wire
- strip of cardboard

You will need: scissors, tape, glue, a pin, coloring supplies (optional), and a glass of water.

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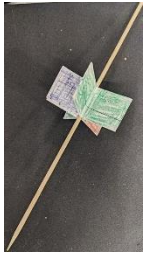
INSTRUCTIONS

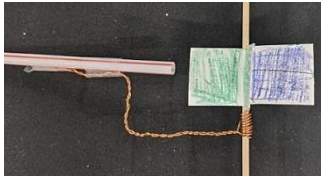
Step 1. Fold your strip of cardboard back and forth along the lines like an accordion. Then glue pairs of cardboard sections together to create a fan. Color if desired.

Step 2. Slide the long skewer through the center of your fan. Stick the fan to the skewer about halfway up: make a gluey spot on the skewer, and then move the fan into place.



Note: The pointy end is the bottom.

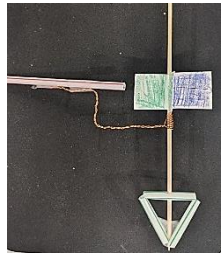
Step 3. Leaving about a 6-inch tail, wrap your wire 10 times around the short skewer. Twist the loose ends of the wire together to create a mega wire.



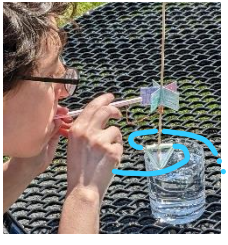
Step 4. Slide your wire coil off the short skewer and onto the long skewer below the fan. Bend the mega wire into a ⌐ shape. Tape the bendy straw piece to the loose end of the mega wire. It should point at the fan without whacking into it.

Step 5. This is the hard part. Take one of the straight straw pieces cut **partway** through the straws at the two marks. (You have a do-over straw just in case.) Poke a hole through the center with a pin as shown.

Step 6. Slide the straw onto the bottom of the skewer through the pinhole with the flaps pointing down. Bend the ends together to form a triangle. Tape in place on the skewer. Your sprinkler is done!



DRY TEST: Hold your device by the straw attached to the mega wire. Blow through the straw. The skewer and all of its attachments should spin.



WET TEST: Bring your sprinkler and a full glass of water outside. Dip the bottom of the straw triangle into the water and blow!

When your device spins, the water inside the straw triangle spins, too. This results in **centrifugal force** pushing it outward. But the only way it can move outward is up the straw. Where does it go? The water fountains out of the open straw corners, sprinkling everyone!